

CPC**COOPERATIVE PATENT CLASSIFICATION****C25C****PROCESSES FOR THE ELECTROLYTIC PRODUCTION, RECOVERY OR REFINING OF METALS; APPARATUS THEREFOR****C25C 1/00**

Electrolytic production, recovery or refining of metals by electrolysis of solutions
[\(C25C 5/00 takes precedence\)](#)

C25C 1/02

- . of light metals

C25C 1/04

- . . in mercury cathode cells

C25C 1/06

- . of iron group metals, refractory metals or manganese

C25C 1/08

- . . of nickel or cobalt

C25C 1/10

- . . of chromium or manganese

C25C 1/12

- . of copper

C25C 1/14

- . of tin

C25C 1/16

- . of zinc, cadmium or mercury

C25C 1/18

- . of lead

C25C 1/20

- . of noble metals

C25C 1/22

- . of metals not provided for in groups [C25C 1/02](#) to [C25C 1/20](#)

C25C 1/24

- . Alloys obtained by cathodic reduction of all their ions

C25C 3/00

Electrolytic production, recovery or refining of metals by electrolysis of melts
[\(C25C 5/00 takes precedence\)](#)

C25C 3/02

- . of alkali or alkaline earth metals

C25C 3/04

- . of magnesium

C25C 3/06

- . of aluminium

C25C 3/08

- . . Cell construction, e.g. bottoms, walls, cathodes

C25C 3/085

- . . . {characterised by its non electrically conducting heat insulating parts}

C25C 3/10

- . . . External supporting frames or structures

C25C 3/12

- . . . Anodes

C25C 3/125

- {based on carbon}

C25C 3/14

- . . Devices for feeding or crust breaking

C25C 3/16

- . . Electric current supply devices, e.g. bus bars

C25C 3/18	. . Electrolytes
C25C 3/20	. . Automatic control or regulation of cells (controlling or regulating in general G05)
C25C 3/22	. . Collecting emitted gases
C25C 3/24	. . Refining
C25C 3/26	. of titanium, zirconium, hafnium, tantalum or vanadium
C25C 3/28	. . of titanium
C25C 3/30	. of manganese
C25C 3/32	. of chromium
C25C 3/34	. of metals not provided for in groups C25C 3/02 to C25C 3/32
C25C 3/36	. Alloys obtained by cathodic reduction of all their ions
C25C 5/00	Electrolytic production, recovery or refining of metal powders or porous metal masses
C25C 5/02	. from solutions
C25C 5/04	. from melts
C25C 7/00	Constructional parts, or assemblies thereof, of cells; Servicing or operating of cells (for the production of aluminium C25C 3/06 to C25C 3/22)
C25C 7/002	. {of cells comprising at least an electrode made of particles (C25C 7/005 , C25C 7/02 to C25C 7/06 take precedence)}
C25C 7/005	. {of cells for the electrolysis of melts (C25C 7/02 to C25C 7/06 take precedence)}
C25C 7/007	. {of cells comprising at least a movable electrode (C25C 7/002 , C25C 7/02 to C25C 7/06 take precedence)}
C25C 7/02	. Electrodes (consumable anodes for the refining the metals C25C 1/00 to C25C 5/00); Connections thereof
C25C 7/025	. . {used in cells for the electrolysis of melts}
C25C 7/04	. Diaphragms; Spacing elements
C25C 7/06	. Operating or servicing
C25C 7/08	. . Separating of deposited metals from the cathode